

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/15/2021 09:17 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 12757 **Expiration Date:** 06/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125066	0	1.27	124999	1.22
Blue	F	SSC	125000	123834	-1	2.38	124257	2.25
Blue	E	FITC	13131	12849	-3	2.24	296	15.61
Blue	D	PE	24112	23692	-2	1.62	543	10.84
Blue	B	PerCP-Cy5-5	31295	30530	-3	3.02	1012	14.33
Blue	A	PE-Cy7	19939	19888	-1	5.22	531	29.26
Red	C	APC	42122	41745	-1	3.08	1750	11.41
Red	A	APC-Cy7	22340	21861	-3	3.45	819	11.64
Violet	B	V450	7410	7141	-4	4.05	433	12.68
Violet	A	V500	28118	26974	-5	3.71	671	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23206	0.96	569	0	N/A	N/A	Pass
Blue	F	SSC	57790	1.12	519	7	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	0	0.0402	76	Pass
Blue	D	PE	114	36.61	489	1	0.3874	274	Pass
Blue	B	PerCP-Cy5-5	188	35.67	585	-1	0.0206	83	Pass
Blue	A	PE-Cy7	107	66.33	629	1	0.0215	0	Pass
Red	C	APC	406	23.90	579	3	0.0280	184	Pass
Red	A	APC-Cy7	185	27.13	554	3	0.0064	1034	Pass
Violet	B	V450	61	64.70	453	0	0.0688	2867	Pass
Violet	A	V500	97	35.79	464	-1	0.0236	891	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/15/2021 09:17 AM
Cytometer Baseline: 06/17/2021 10:50 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.11	-31.74	1.12
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.19	13.60 - 20.40	N/A	N/A	29.98	30.28	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 11901

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments